

CLAIMS

1. A filter for filtering mutagens from an engine oil, which filter comprises a body, an inlet for oil passing into the body, an outlet for the oil passing out of the body, and a filter material in the body for filtering the oil as the oil passes through the body, and the filter material being such that it comprises activated carbon for removing the mutagens.
2. A filter according to claim 1 in which the activated carbon is fine particle activated carbon.
3. A filter according to claim 2 in which the activated carbon is 44 micron activated carbon.
4. A filter according to any one of the preceding claims in which the filter material comprises a retainer material for retaining the activated carbon in place.
5. A filter according to claim 4 in which the retainer material is a woven foam material.
6. A filter material according to claim 4 or claim 5 in which the retainer material is a polymer foam material.

7. A filter material according to claim 4 in which the retainer material is an absorbent fibre material.

8. A filter material according to claim 7 in which the absorbent fibre material is a polyacrylate super absorbent fibre material.

9. A filter material according to claim 7 or claim 8 in which the absorbent fibre material is in the form of a non-woven material, a yarn material or a woven material.

10. A filter material according to any one of the preceding claims in which the filter material forms part of a cartridge which is positioned in the body.

11. A filter according to claim 10 in which the cartridge is a disposable cartridge.

12. A filter according to claim 10 or claim 11 in which the cartridge includes a support member for the filter material.

13. A filter according to claim 12 in which the support member has a plurality of apertures along its length for enabling the oil to pass through the support member.

14. A filter according to claim 12 or claim 13 in which the filter material is positioned around the outside of the support member.
15. A filter according to claim 14 in which the filter material is in sheet form and is wrapped around the outside the outside of the support member.
16. A filter according to claim 12 or claim 13 in which the filter material is positioned inside the support member.
17. A filter according to claim 16 in which the filter material is in sheet form or is the form of pieces.
18. A filter according to claim 17 and including end screen members for retaining the foam material in the support member.
19. A filter according to any one of the preceding claims and including a non-return valve.
20. A filter according to claim 19 in which the non-return valve is positioned in an end part of the filter.
21. A filter according to any one of the preceding claims in which the outlet is an internally threaded outlet for enabling the filter to be a screw threaded connection to an oil circuit.

22. A filter substantially as herein described with reference to the accompanying drawings.